

531,409

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number
WO 2004/036885 A1

(51) International Patent Classification⁷: **H04M 1/60**,
G11B 23/04

(21) International Application Number:
PCT/GB2003/004489

(22) International Filing Date: 14 October 2003 (14.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0223808.7 14 October 2002 (14.10.2002) GB

(71) Applicant and
(72) Inventor: **CHAGGER, Avtar, Singh** [GB/GB]; 1
Hothorpe Close, Binley, Coventry CV3 2HX (GB).

(74) Agents: **MARKS & CLERK** et al.; 144 New Walk, Le-
icester LE1 7JA (GB).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,

GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

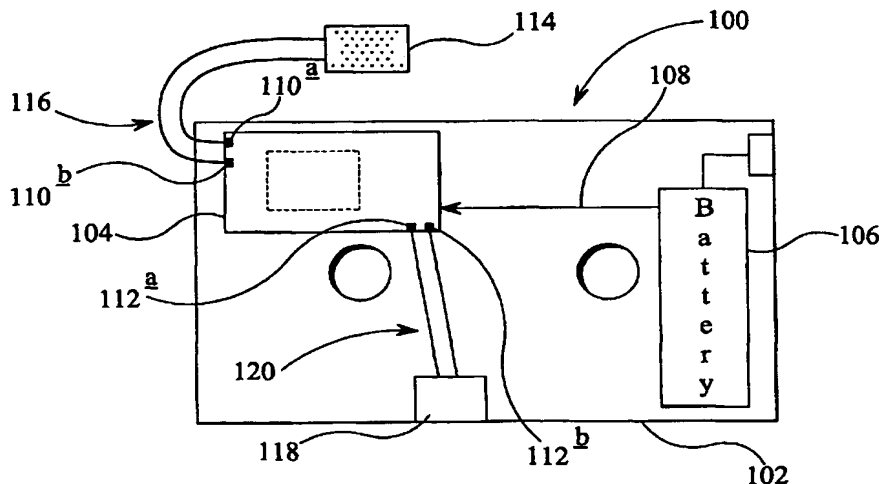
Published:

— *with international search report*

— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: HANDS-FEE ADAPTOR



(57) Abstract: An apparatus (100) suitable for connecting a communications device or other audio/audio-visual device to an audio system comprises a cassette-type audio adaptor (102) having receiver means for receiving audio and/or data signals transmitted from the device or the like and connecting means (120) connecting the receiver means to a head (118) of the cassette-type audio adaptor thereby to apply the signals to the head. The receiver means comprises at least a part of a Bluetooth chipset (104) disposed within the cassette-type adaptor. The Bluetooth chipset (104) includes transmission means for transmitting audio signals back to the device as electromagnetic signals, and a microphone (114) is connected to the transmission means for detecting audio signals from a user and applying them to the transmission means.

WO 2004/036885 A1